

F5-Networks

Exam Questions 101

Application Delivery Fundamentals



NEW QUESTION 1

in which scenario is a full proxy TCP connection required?

- A. when DNS load balancing is performed
- B. When source NAT is demanded
- C. when the client source IP address is sent to the server
- D. when the client and server connection are decoupled

Answer: D

NEW QUESTION 2

What are the two primary functions of the OSI 7 layer model (Choose two)

- A. to guide interoperability between products made by different vendors
- B. to define protocol behavior
- C. to group communications into logical layers
- D. to define specifications of host-to-host communications
- E. to standardize HTTP communications between different vendors

Answer: AB

NEW QUESTION 3

What does the HTTP status code 404 mean?

- A. Not Acceptable
- B. Forbidden
- C. Request Timeout
- D. Not found

Answer: D

NEW QUESTION 4

An administrator needs to assess an LTM for potential configuration issues and required security updates. Which F5 website can automate this task?

- A. addf5f5.com
- B. ihealth5.com
- C. Devcentral f5.ccom
- D. www.f5.Com

Answer: B

Explanation:

<https://www.f5.com/services/support/support-offerings/big-ip-ihealth-diagnostic-tool>

NEW QUESTION 5

Where is the MAC masquerade address configured?

- A. Virtual Server
- B. Virtual Address
- C. Device Groups
- D. Traffic Groups

Answer: D

NEW QUESTION 6

Client traffic for a web application is managed by load balancers in a high availability configuration. After a failover event all clients are forced to login again to the application.

What is the most likely reason this occurred?

- A. Clients were sending request to failed load balancer
- B. connection mirroring configuration was NOT configured on the load balancer
- C. The server was responding to the failed load balancer
- D. SSL offloading was NOT configured on the load balancer

Answer: B

NEW QUESTION 7

Client A from the 192. 162. 168.0. 0/24 network wants to send a Ping to Client B on 10.10.10.0/24.

- The Default Gateway from Client A is 192.168.0. 1
- The MAC Address of Client A is 00 11. 11. 11. 11
- The MAC Address of client B is 00.22 22.22.22
- The MAC Address of Default Gateway is 00. 33.33. 33. 33

What is the destination MAC Address of the ping packet when it leaves client A interface card?

- A. 00. 11. 11. 11. 11
- B. f1. f1. f1. f1. f1
- C. 00.33. 33. 33. 33
- D. 00. 22. 22. 22. 22

Answer: C

NEW QUESTION 8

HTTPs traffic is not working properly. What is the likely reason for the issue?



- A. 0. 0 0.0 0 is an invalid address in netstat.
- B. 0. 0. 0. 0.0 80 should be in an active state
- C. The server is not listening on TCP 443
- D. The server is not listening on UDP 80

Answer: C

NEW QUESTION 9

What is the primary function of a certificate authority?

- A. to expire outdated certificates
- B. to verify and validate certificates
- C. to store security certificates
- D. to sign certificate signing requests

Answer: D

Explanation:

https://enWikipedia.org/wiki/Certificate_authority

NEW QUESTION 10

A BIG-IP Administrator is trying to send traffic to a server on the same subnet and sees an incomplete in the BIG-IP devices ARP table. What could cause the incomplete status?

- A. BIG-IP device connection is half-duplex
- B. Router does not have a default gateway
- C. Firewall is blocking ICMP
- D. Server's switch connection is in the wrong VLAN

Answer: D

NEW QUESTION 10

End users report widespread issues accessing multiple network resources

What tool should the BIG IP Administrator use to view the status of all virtual servers and associated resources in one place?

- A. Pool statistics
- B. Network Map
- C. System performance
- D. Virtual server statistics

Answer: B

Explanation:

The network map shows a list Virtual, Pools and iRules with the status of each.

NEW QUESTION 15

An organization needs to cryptographically sign its domains. Which F5 product provides this functionality?

- A. GTM
- B. LTM
- C. ASM
- D. APM

Answer: A

Explanation:

<https://devcentral.f5.com/articles/the-tNg-ip-gtm-configuring-dnssec>

NEW QUESTION 19

What are two examples of failover capabilities of BIG-IP? (Choose two)

- A. failing over based on an over temperature alarm
- B. failing over serial cable based on electric failure code
- C. failing over network connection based on heartbeat detection
- D. failing over network connection based on SNMP error
- E. failing over serial cable based on voltage detection

Answer: CE

NEW QUESTION 20

Which FTP mode should be used by a client behind a firewall that has no special configurator?

- A. Passive FTP
- B. Secure FTP
- C. Active FTP
- D. Protected FTP

Answer: A

NEW QUESTION 21

Which HTTP response code is returned when a web server requires authentication to access a resource?

- A. 500
- B. 401
- C. 302
- D. 100

Answer: B

NEW QUESTION 23

Which type of certificate is pre-installed in a web browser's trusted store?

- A. Root Certificate
- B. Server Certificate
- C. Client Certificate
- D. intermediate Certificate

Answer: A

NEW QUESTION 27

Which function does the Presentation Layer provide?

- A. translation and encryption
- B. transmission over a medium
- C. internetworking capabilities
- D. access to available resources

Answer: A

NEW QUESTION 30

An administrator finds a new vulnerability in a web application and needs to rapidly mitigate the threat. Which F5 feature provides this functionality?

- A. iCall
- B. iRules
- C. iSession
- D. iControl

Answer: B

NEW QUESTION 34

A website is using source address persistence with a 30 second timeout. A client is idle for 35 seconds. What happens to their connection?

- A. The client receives a "404 Page Not Found" error
- B. The client connection is dropped
- C. The client remains on the same server
- D. The client request is load balanced

Answer: D

Explanation:

http://support.f5.com/kb/en-us/products/big_ip_ltm/manuals/product/lrm-concepts-1-1-2-1/lrm_persist_files.html

NEW QUESTION 36

VLAN test-vlan" is configured on interface 1 1 instead of interface 1.2. Which TMSH command should be used to correct this issue?

- A. modify /net test vlan interfaces {1.2}
- B. modify /net test-vlan interfaces replace all with {1 2}
- C. modify /net vlan test-vlan interfaces replace all with {12}
- D. modify /net sian test-vlan interfaces {1 2}

Answer: C

NEW QUESTION 39

An administrator needs to create a structured application delivery configuration that will prevent individual objects from being modified directly Which F5 technology should the administrator use?

- A. iRules
- B. iApps
- C. iSessions
- D. iContfol

Answer: B

NEW QUESTION 43

In which scenario is a full proxy TCP connection required?

- A. TCP routing
- B. IPv4 lo IPv6 gateway
- C. UDP routing
- D. UDP to ICMP gateway

Answer: B

NEW QUESTION 46

A BIG-IP Administrator needs to upgrade an HA pair to a more recent TMOS version. The administrator is unsure if the BIG-IP is currently supported How should the administrator verify that the HA pair is under a valid support contract?

- A. confirm that License OK" is set to yes in the applied license
- B. confirm that the "Service Check Date" specified in the applied license has not passed
- C. Check the status of the license under the Platform menu of the F5 Configuration Unity
- D. review /var/log/license for messages that indicate an expired license

Answer: C

NEW QUESTION 48

What we two advantages of using SSL offloading? (Choose two)

- A. Offloads the client to SSL processing
- B. provides single point of management for private keys
- C. reduces server load significantly
- D. encrypts all communications and to end
- E. allows secure remote access to internal server resources

Answer: BC

NEW QUESTION 52

A BIG-IP Administrator needs to configure a MAC masquerade address for traffic-group 1. Where on the GUI should this configuration be performed?

- A. System > Configuration Device General > ltraffic-group-1
- B. Local Traffic > Traffic Class > traffic -group-1
- C. Device Management > Traffic Groups > traffic-group-1
- D. Network > ARP Static List > traffic-group-1

Answer: C

NEW QUESTION 54

10:20: 37 .00749:IP 199.16.255.254.36664>10.0.1.10 http : flags (s) seq 700424862, Win 29200

A website is fronted by a toad balancer that implements a full proxy architecture with SNAT enabled Behind the load balancer there are bro nodes Node 1 and node2

She administrator is debugging an issue on node 1 using icpdump and records the above out about a received packet o watch device does the IP address 192 168 265 254" belong?

- A. node2

- B. node 1
- C. load balancer
- D. web Client

Answer: C

NEW QUESTION 57

An administrator notices the following log message generated by a BIG IP system " diskmonitor 011d005: Disk partition shared has less than 30% free" Which command should the administrator use to troubleshoot the problem?

- A. parted-1
- B. fdisk-1
- C. isbik
- D. df-h

Answer: D

NEW QUESTION 60

A BIG IP Administrator is trying to reach the internal web server from a workstation

- * The workstation has a MAC address of 00:00 00 00 00 01 and an IP address of 192. 168. 0. 1
- * An internal web server has a MAC address of 00 00 00 00 00 02 and an IP address of 10. 10. 1. 1
- * The workstation's default gateway has a MAC address of 00 00 00 00 00 03 and IP address of 192 168 0 254

What is the destination hardware address of the outbound packet when it leaves the workstation?

- A. 00:00:00:00:00:01
- B. 00:00:00 :00:00:00
- C. 00:00:00:00:00:03
- D. 00:00:00:00:00 02

Answer: C

NEW QUESTION 62

A user fails to provide credentials when requesting a web resource that requires authentication. Which HTTP response code does the server send?

- A. HTTP 200
- B. HTTP 302
- C. HTTP 401
- D. HTTP 502

Answer: C

Explanation:

<https://httpstatuses.com/401>

NEW QUESTION 65

An administrator needs to restore the BIG-IP configuration from a UCS file In which section in the BIG IP Configuration utility is this task performed?

- A. System > Archives
- B. System > Services > Backup
- C. System > Backup
- D. System > File Management

Answer: A

NEW QUESTION 67

Which technology can be used on a BIG-IP device to accelerate the delivery of the same content to multiple users?

- A. persistence
- B. SSL offloading
- C. Compression
- D. caching

Answer: D

NEW QUESTION 72

In which scenario does the client act as a server?

- A. During an active FTP session
- B. When an SMTP connection
- C. During an SMTP connection
- D. When browsing websites

Answer: A

NEW QUESTION 74

A BIG-IP Administrator configures three Network Time Protocol servers to keep the time of the devices in sync. Which tool should the administrator use to show the synchronization status with the Network Time Protocol servers ?

- A. ntpdate
- B. time
- C. mpa
- D. date

Answer: C

NEW QUESTION 76

A BIG-IP Administrator is cleaning up unused Virtual Servers and pools via the Configuration Utility while trying to delete certain administrator receives an error message that indicates that the pool is in use.

What is the likely cause of this error?

- A. The pool members are all disabled
- B. The pool is in use by a Virtual Server
- C. The pool members are marked up with a green circle
- D. The pool is in use by a monitor

Answer: B

NEW QUESTION 81

An administrator needs a remote VPN solution for corporate users. The existing network infrastructure has web-based services. The administrator needs to select the VPN that is the least complicated to deploy.

Which VPN solution should the administrator choose?

- A. IPSec
- B. L2TP
- C. SSL
- D. PPTP

Answer: A

NEW QUESTION 83

A BIG IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named LACP01) connected to the BIG IP device, Multiple other VLANs exist on LACP01. Which TMSH command should the BIG IP Administrator issue to add the new VLAN to the existing LAC?

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- A. create net vlan VIAN40 (interfaces replace all with {LACP01 (untagged) } lag 40)
- B. create net vian VLAN40 (interfaces add { LACP01 {tagged} tag JO J
- C. create net vian VLAN40 {interfaces add (LACP01 {untagged}) tag 40}
- D. create net wan VLAN40 {interfaces replace all with {LACP01 {tagged }} lag 40 }

Answer: B

Explanation:

Tagged" VLAN is how F5 refers to a VIAN within an 802.1q trunk. The fact that it is an FS trunk' or an LACP/etherchannel link only changeshowthe interface is referred to in the command.

NEW QUESTION 85

An administrator needs to selectively compress HTTP traffic based on geographical location Which FS Feature should the administrator use?

- A. One Connect
- B. iRules
- C. SPDY profile
- D. iSessions

Answer: B

NEW QUESTION 86

An IPv4 client tries to access to http://www myserver com

Which type of DNS request should the client send to its configured DNS server?

- A. type NS
- B. type A
- C. type AAAA
- D. type MX

Answer: B

NEW QUESTION 89

A load balancer receives a TCP SYN packet from a client and immediately sends the packet on to a server. This is an example of which type of solution?

- A. packet forwarding architecture
- B. Full proxy architecture

- visit - <https://www.surepassexam.com>

NEW QUESTION 105

A BIO IP Administrator is troubleshooting a slow web application. A packet capture shows that some of the packets coming from a window size of zero A packet capture shows that som a window size of zero
What does this mean?

- A. The client is trying to close the TCP connection
- B. The server is trying to close the TCP connection
- C. The server is temporary unable to receive any more data
- D. The client is temporarily unable to receive any more data

Answer: C

NEW QUESTION 108

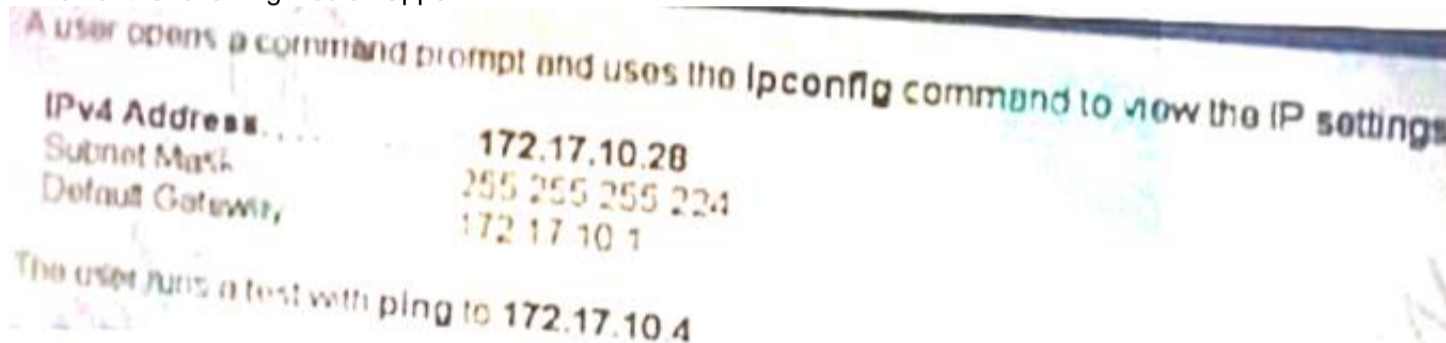
A certificate chain can be used for which purpose?

- A. Creating anonymous connections on the internet
- B. anchoring the geographic location of a client or server
- C. Ensuring multiple layers of decryption and encryption
- D. Determining a client or server should be trusted

Answer: D

NEW QUESTION 110

Which of the following would happen?



- A. The PC sends a DNS query for 172. 17. 10. 1
- B. The PC sends an ARP looking for the MAC address of 172. 17. 10. 4
- C. The PC sends an ARP looking for the MAC address of 172. 17. 10. 1
- D. The PC sends a DNS query for 172.17.10 4

Answer: B

NEW QUESTION 112

An application uses a proprietary protocol running over TCP
Which FS BIG-IP feature should the administrator use to modify the protocol?

- A. SPDY
- B. rewrite profile
- C. TCP profile
- D. iRules

Answer: D

NEW QUESTION 115

When is the server also a client?

- A. during a passive FTP session
- B. during an active FTP session
- C. While receiving email
- D. While uploading files

Answer: B

NEW QUESTION 118

A company would like to create a web service for multiple data centers (US EU, ASia) where each data center uses the same IP address Requests will be routed to the closest data center. Which address type is the appropriate solution?

- A. Broadcast
- B. Unicast
- C. Anycast
- D. Micast

Answer: C

NEW QUESTION 122

What is a common use of an iRule?

- A. to modify application traffic between the client and server
- B. to create a reusable application delivery template
- C. to integrate a BIG IP into an enterprise orchestration tool
- D. to create an accelerated session between two BIG-IP devices

Answer: A

NEW QUESTION 125

A device needs to decrypt traffic and send unencrypted traffic to the web server. Which method should the BIG-IP Administrator use?

- A. SSL Optimization
- B. SSL Caching
- C. SSL Termination
- D. SSL Bridging

Answer: C

NEW QUESTION 129

What is a benefit of configuring BIG-IP devices in active-active high availability mode?

- A. avoid Overload on the BIG-P system in the event of a failover
- B. allows full utilization of hardware purchased
- C. reduces troubleshooting complexity
- D. provides ability to upgrade a member of the pair without disruption

Answer: B

NEW QUESTION 133

What is used to provide mutual authentication for TLS/SSL?

- A. X.509 Certificate
- B. Access List
- C. Shared Secret key
- D. Mutually Trusted issuer

Answer: A

NEW QUESTION 137

An administrator points the browser at <http://www.mydomain.com>. The destination server listens on TCP port 8080. Which feature must be enabled on the virtual server for this configuration to work?

- A. HTTP persistence
- B. source NAT
- C. destination address affinity
- D. port translation

Answer: D

Explanation:

<https://support.f5.com/csp/article/K93G17176>

NEW QUESTION 140

Which HTTP response code indicates an OK status?

- A. 302
- B. 404
- C. 200
- D. 100

Answer: C

NEW QUESTION 145

During a TCP three-way handshake, which packet indicates the server's maximum segment size (MSS)?

- A. the initial SYN packet
- B. the ACK that completes the three-way handshake
- C. the SYN/ACK packet
- D. the first packet after the three-way handshake

Answer: C

NEW QUESTION 146

ICMP is used by which command-line tool?

- A. curl

- B. tcpdump
- C. traceroute
- D. nslookup

Answer: C

NEW QUESTION 150

Given the service list of a server shown, the administrator needs to determine why users are unable to resolve the IP address www.example.com. What is the causing this issue?

- A. bigd is down
- B. named is down

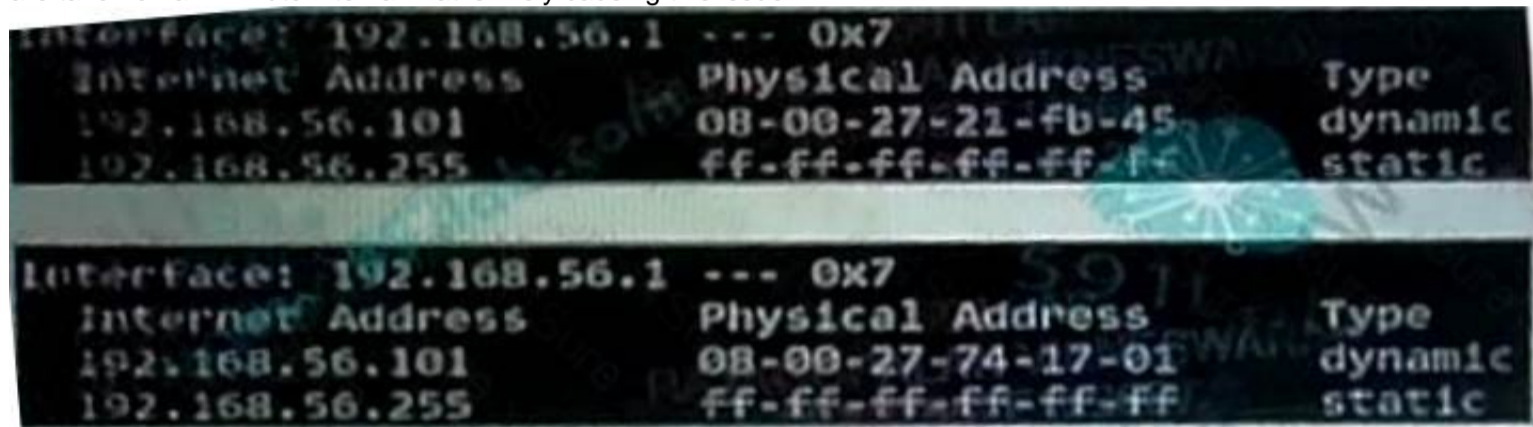
Answer: B

Explanation:

berkely internetname daemon (DNS) bigd is the health checking daemon

NEW QUESTION 152

An administrator is having a connectivity issue with a server in the same network. Upon checking with the command `arp -a` on a Windows machine, the two outputs are taken on a 1 minute interval "hat is likely causing this issue?



- A. Interface down
- B. MAC address conflict
- C. No route available
- D. IP address conflict

Answer: D

NEW QUESTION 157

Which two destination ports should be used in a default active FTP Session? (Choose two)

- A. UDP 20
- B. TCP 20
- C. TCP 22
- D. TCP 21
- E. UDP 21

Answer: BD

Explanation:

<https://slacksite.com/other/ftp.html>

NEW QUESTION 159

Which protocols are used for control and session establishment for streaming media?

- A. RTP
- B. RTSP
- C. OTLS
- D. SMB

Answer: A

Explanation:

https://en.wikipedia.org/wiki/Real_Time_Streaming_Protocol

NEW QUESTION 162

A client needs to learn if a web server supports POST Which HTTP method is used?

- A. OPTIONS
- B. TRACE
- C. LIST
- D. GET

Answer: A

Explanation:

<https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/OPTION>

NEW QUESTION 166

What should the BIG-IP Administrator configure to perform SSL offloading when the certificate is already imported on the BIG-IP device?

- A. HTTP profile using client SSL profile
- B. Virtual server using client SSL profile configured to use the certificate
- C. Virtual server using server SSL profile configured to use the certificate
- D. HTTP profile using server SSL profile

Answer: B

NEW QUESTION 168

In 200 db8 IPv6 address block is allocated to a load balancer for use as virtual server addresses. The address block balancer set ip address using a static route. What is the representation for the last address in the address block that a virtual server can use?

- A. 2001 db8 :: ffff, ffff, ffff, ffff
- B. 2001 db8::
- C. 2001 db8 :: 255
- D. 2001 db8 ffff, ffff, ffff, ffff

Answer: D

NEW QUESTION 169

A BIG-IP Administrator has a cluster of devices.

What should the administrator do after creating a new Virtual Server on device 1?

- A. synchronize the settings of device 1 to the group
- B. create a new cluster on device 1
- C. create the new virtual server on device 2
- D. synchronize the settings of the group to device 1

Answer: A

NEW QUESTION 170

Why is it important that devices in a high availability pair share the same configuration?

- A. so that a spanning tree loop can be avoided
- B. so that application traffic can do gracefully resumed after a failover
- C. so that configuration Updates can occur instantly between two devices
- D. so that the load can be shared equally between the devices

Answer: B

NEW QUESTION 175

A BIG-IP Administrator needs a solution to tunnel traffic and transmit encrypted connections over the Internet using only a standard browser and common ports and protocols. Which solution should the administrator select?

- A. GRE Tunnel
- B. IPsec VPN
- C. SSH Tunnel
- D. SSL VPN

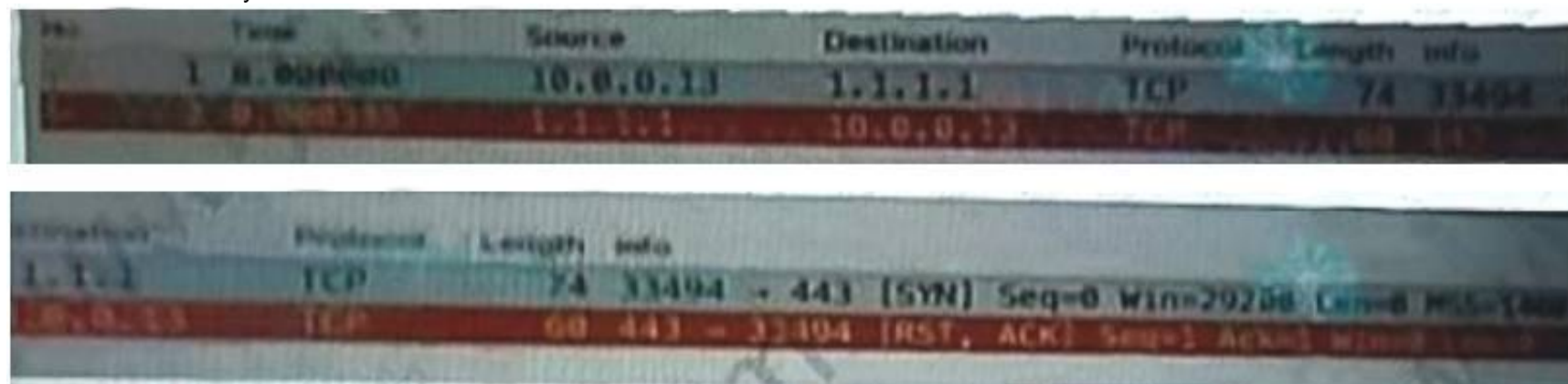
Answer: D

Explanation:

This is APMs use of the netscape plugin api (NPAPI) that most browsers have deprecated at this point.

NEW QUESTION 178

A user is trying to access a website using the URL https://1.1.1.1/ The website fails to load. The user can access other websites. Given the packet capture above, what is the most likely issue?



No.	Time	Source	Destination	Protocol	Length	Info
1	0.00000	10.0.0.11	1.1.1.1	TCP	74	33494 → 443 [SYN] Seq=0 Win=29208 Len=0 MSS=1460
2	0.00033	1.1.1.1	10.0.0.11	TCP	60	443 → 33494 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0

No.	Time	Source	Destination	Protocol	Length	Info
1	0.00000	10.0.0.11	1.1.1.1	TCP	74	33494 → 443 [SYN] Seq=0 Win=29208 Len=0 MSS=1460
2	0.00033	1.1.1.1	10.0.0.11	TCP	60	443 → 33494 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0

- A. The remote server is not responding because it is down
- B. The client machine is not 'connected to the internet
- C. The client machine's DNS is configured incorrectly
- D. The remote server is actively rejecting the connection

Answer: D

NEW QUESTION 180

A BIG-IP Administrator needs to configure a network to separate traffic into three different VLANs using a single port on the BIG-IP device. What means should be used to allow this?

- A. LACP link aggregation
- B. Multiple MAC registration Protocol
- C. 802.1Q VLAN tagging
- D. Port Spanning

Answer: C

NEW QUESTION 182

A BIG-P Administrator needs to upload a qkview view to evaluate software upgrade options. Which service should be used?

- A. AskF5
- B. iHeath
- C. DevCentral
- D. F5WedSubOon

Answer: B

NEW QUESTION 186

A web administrator has added content to a web application, but users are unable to access the new content What could be preventing them from accessing the content?

- A. The webapp uses negative security, and the attack signature is using an invalid regular expression
- B. The webapp uses positive security
- C. and the database has not been updated
- D. The webapp uses positive security, and the new content has not been defined as allowed behavior
- E. The webapp uses negative security
- F. and the denial of service signatures have not been updated

Answer: C

NEW QUESTION 191

An administrator is given the IP Address of 192.168.100.124 and needs 64 subnets. How many hosts per network are allowed?

- A. 4
- B. 8
- C. 6
- D. 2

Answer: D

NEW QUESTION 192

In a fully proxy architecture, what is considered the client in the server-side communications

- A. the ADC
- B. the switch
- C. the server
- D. the client workstation

Answer: A

NEW QUESTION 197

The BIG IP device is connected to the same network as a server
Which communication protocol will the BIG IP device use to discover the link layer address of the server?

- A. Ping
- B. ICMP
- C. RARP
- D. ARP

Answer: D

NEW QUESTION 198

Which two OSI layers map to IP subnetting and TCP window sizing functions? (Choose two)

- A. Application
- B. Data Link
- C. Transport
- D. Network Session

Answer: D

NEW QUESTION 200

A BIG IP Administrator needs to create a virtual server for a new secure end-to-end web application. After change in configuration, the virtual server is still marked down. The configuration of the virtual server and the pool member are correct. A quick server shows the status.



To fix the issue, what should the BIG-IP Administrator inform the web server administrator to do?

- A. change web server configuration to use SSL/TLS
- B. reboot the server
- C. restart the web service
- D. change web server configuration to use SSH/SCP

Answer: A

Explanation:

If the application needs to be secure 'end-to-end' the web server needs to use SSL as well. Most web servers will not require HTTP requests when configured with HTTPS, so the monitor is failing.

NEW QUESTION 201

ATP administrator recently added a new VLAN and needs to confirm that the BIG IP sees traffic on this VLAN. The VLAN is untagged on interface 1.1 and is named VLAN704 in the BIG IP Configuration Utility.

Which tool should be used to generate a packet capture that shows all traffic on this VLAN?

- A. netstat
- B. map
- C. tcpdump
- D. ifconfig

Answer: C

NEW QUESTION 205

An administrator needs to load balance connections to the application server with the lowest number of Which load balancing method meets these requirements?

- A. Least Sessions
- B. Ratio Least Connections (member)
- C. Least Connections (member)
- D. Least Connections (node)

Answer: D

Explanation:

<https://support.f5.com/csp/article/K9573>

NEW QUESTION 206

A BIG IP administrator recently reset statistics for interfaces 1.1 and 1.2. The administrator notices that traffic appears on a data plane interface without receiving any client requests. All nodes and pools have monitoring enabled, and all routes are locally defined on the device. All management traffic is sent over the mgmt interface. What is the nature of this traffic?

- A. SNMP polling and traps
- B. Health checks for nodes and pool members
- C. Dynamic routing protocols
- D. TCP Keepalives for nodes and pool members

Answer: B

Explanation:

Health checks typically will be sent via the tmm interface based on the tmm routing configuration.

NEW QUESTION 210

What does "ICMP Time Exceeded" mean?

- A. The ping command exceeded the time limit.
- B. The traceroute command exceeded the time limit.
- C. Remote host did not respond.

D. TTL has reached zero

Answer: D

NEW QUESTION 211

Web application <http://www.example.com> at 10.10.1.110, is unresponsive. A recent change migrated DNS to a new platform

- A. telnet www example com 80
- B. curl http //www example com
- C. dig www example com
- D. telnet 10.10.1. 110. 80

Answer: C

Explanation:

Telnet will open a socket to the http server, but the request would need to be manually input Curl will send a request and output the response.

NEW QUESTION 216

An application has a mix of both and short and long lived connections. Which algorithm would provide an even distribution of all connections across the pool?

- A. Priority group activate
- B. Least connections
- C. Static ration
- D. Round robin

Answer: B

NEW QUESTION 220

HTTPS traffic is being passed from behind a NAT router, through a load balancer, to servers without being decrypted. What is the F5-recommended persistence method in this situation?

- A. SSL session ID persistence
- B. source address persistence
- C. SIP persistence
- D. destination address persistence

Answer: A

NEW QUESTION 224

What is used to resolve IP address to MAC address mappings?

- A. DHCP
- B. ARP
- C. DNS
- D. ICMP

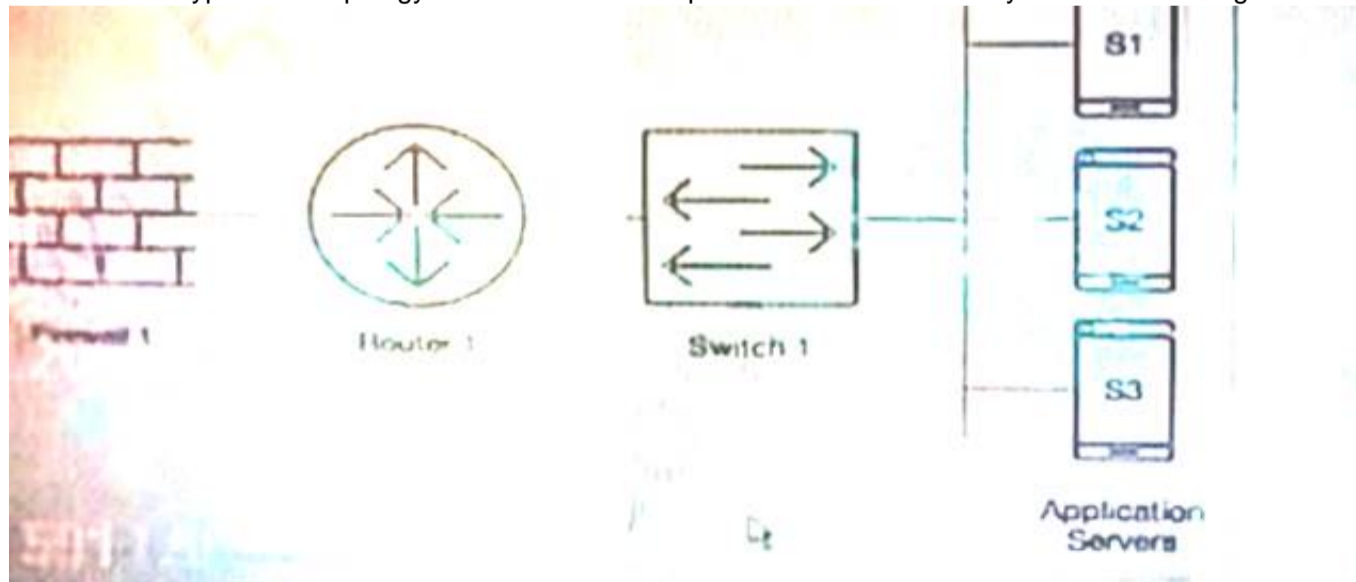
Answer: B

Explanation:

https://enWikipedia.org/wiki/Address_Resolution_Protocol

NEW QUESTION 226

Which device type in the topology will forward network packets without an OSI layer 3 address assigned to a data plane interface?



- A. Router
- B. Firewall
- C. Application Server
- D. Switch

Answer: D

NEW QUESTION 230

Which two functions of AAA does Security Assertion Markup Language (SAML) identity Provider (IdP) offer (Choose two)?

- A. measure usage
- B. provide authentication
- C. provide availability
- D. provide session auditing
- E. filter access

Answer: BD

NEW QUESTION 233

What is a primary benefit of employing a load balancer to manage traffic for an application?

- A. It reduces the number of client connections
- B. It provides a more uniform client experience
- C. It allows easy scaling up of the application
- D. It Reduces dropped connections

Answer: C

NEW QUESTION 237

After all expected HTTP data has been sent from a server to a client, the client does not close connection. The server reaps the connection, but after that the client sends a "Keep alive "packet to the server.

Which type of packet will the server respond with?

- A. FiN
- B. RST
- C. ACK
- D. SYN

Answer: B

NEW QUESTION 238

At which layer of the OSJ model does the DNS resolution process occur?

- A. Layer 7
- B. Layer 4
- C. Layer 2
- D. Layer 3

Answer: A

NEW QUESTION 239

What is one way that a application delivery controller lowers the CPU-load on web servers?

- A. use SSL termination at the application delivery controller
- B. make the application delivery controller function as a Firewall
- C. make the application delivery controller a member of both external and internal VLANs
- D. use cookie persistence on the application delivery controller

Answer: A

NEW QUESTION 243

What are three functions commonly performed by HTTP cookies? (Choose three)

- A. Track users' browsing activities
- B. hold User preferences
- C. maintain session state
- D. execute client side scripts
- E. execute server side scripts

Answer: ABC

NEW QUESTION 248

A company is creating a new department for Security Engineering and needs to create a segregated network segment with only 24 IPS. What should be configured?

- A. configure a new VLAN and assign a netmask of /29
- B. use an existing VLAN and assign a netmask of /28
- C. use an existing VLAN and assign a netmask of /30
- D. configure a new VLAN and assign a netmask of /27

Answer: D

Explanation:

a /28 contains 14 usable IPs and a /27 contains 30 usable IPs

NEW QUESTION 253

A BIG-IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named LACP01) connected to the BIG-IP device. Multiple VLANs exist on LACP01. Which TMSH command should the BIG-IP Administrator issue to add the new VLAN to the existing LACP trunk?

- A. create net vlan VLAN40 {interfaces add (LACP01 {lagged}) tag 40}
- B. create net vlan VLAN40 {interfaces replace-all-with {LACP01 {tagged}} tag 40}
- C. create net vlan VLAN40 interfaces replace all with {LACP01 {untagged}} tag 40}
- D. create net vlan VLAN40 {interfaces add {LACP01 {untagged}} tag 40}

Answer: B

NEW QUESTION 257

A new virtual server is being tested to replace <http://myapp.mydomain.com>. The original virtual server is still on use. And the new virtual server is on a different IP address. What should be done to test this new virtual server using the fully qualified domain name for this application?

- A. add a DNS record for the fully qualified domain name
- B. add the fully qualified domain name to the browser cache
- C. make an entry in the client host file
- D. make an entry in the web server services file

Answer: C

NEW QUESTION 262

A BIG-IP Administrator needs to open a case with F5 Support for a specific issue with an existing HA pair of BIG-IP platform. What should be uploaded to iHealth prior to opening the case to expedite processing of the support case?

- A. UCS file
- B. SCF file
- C. tcpdump file
- D. Qkview file

Answer: D

NEW QUESTION 267

A server is capable of handling more connections than other servers in the same pool. Which load distribution method should the administrator choose?

- A. Least Connections
- B. Fastest
- C. Ratio
- D. Round Robin

Answer: C

NEW QUESTION 269

In which scenario is a packet forwarding architecture required?

- A. when HTTP header must be modified
- B. when cookie persistency is demanded
- C. when the server responds directly to the client
- D. when the number of TCP connections on the server should be reduced

Answer: C

NEW QUESTION 274

If a workstation is configured with an address of 224.0.0.1, which functionality will it allow?

- A. loopback to itself
- B. broadcasting to the local subnet
- C. multicasting to the local subnet
- D. automatic private IP addressing

Answer: C

Explanation:

https://en.wikipedia.org/wiki/Multicast_address

NEW QUESTION 276

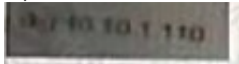
Web application <http://www.example.com> at 10.10.1.1.10 is unresponsive.

A recent change installed new firewalls in the network. Which command should be used to locate where data loss has occurred within the network?

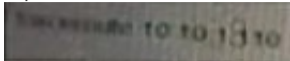
A)



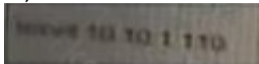
B)



C)



D)



- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

Explanation:

Traceroute attempts to send ICMP-packets that expire further down the network and determine if a network device is responding or allowing traffic through.

NEW QUESTION 277

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